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## **CLAIMS**

- 1. A method of producing microparticles comprising a bioactive and a vehicle, which method comprises providing a solvent having a bioactive dispersed or dissolved therein and a vehicle dissolved therein, carrying out an emulsification in a non-solvent phase to produce an emulsion comprising the bioactive and the vehicle in a solvent phase, and evaporating the solvent to leave said microparticles, wherein a mixture of at least two surfactants is employed to stabilise said emulsion and the HLB (hydophilic-lipophilic balance) of the mixture is up to 8 in order that the median diameter of the microparticles is up to 100µm.
  - 2. A method as claimed in claim 1, wherein said HLB is from 2 to 7.
  - 3. A method as claimed in claim 1 or 2, wherein said HLB is from 3 to 5.

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- 4. A method as claimed in any preceding claim, wherein said HLB is from 3 to 4.
- 5. A method as claimed in any preceding claim, wherein said mixture comprises sorbitan monoleate and sorbitan dioleate.

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- 6. A method as claimed in any preceding claim, wherein said mixture is an equimolar mixture of two surfactants.
- 7. A method as claimed in any preceding claim, wherein the vehicle is a polymer which enables pH-dependent and/or pH-independent release of the bioactive in the gastrointestinal tract.
  - 8. A method as claimed in any of claims 1 to 6, wherein the vehicle is a polymer which enables pH-dependent release of the bioactive in the gastrointestinal tract.

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- 9. A method as claimed in any preceding claim, wherein the vehicle is an acrylic-based polymer, a cellulose-based polymer or a polyvinyl-based polymer.
- 5 10. A method as claimed in claim 9, wherein the vehicle is a methacrylate polymer.
  - 11. A method as claimed in any preceding claim, wherein the vehicle comprises Eudragit ® L100, Eudragit ® L100-55, Eudragit ® S100, Eudragit ® P4135, Eudragit ® RS100 or ethylcellulose.

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- 12. A method as claimed in any of claims 1 to 8, wherein the vehicle is not Eudragit ® RS alone.
- 13. A method as claimed in any preceding claim, wherein the bioactive is prednisolone, bendrofluazide or budesonide.
  - 14. A method as claimed in any preceding claim, wherein the solvent is ethanol or a mixture of acetone and ethanol or methanol.
- 20 15. A method as claimed in any preceding claim, wherein the surfactants in said mixture are both added to the solvent phase, both added to the non-solvent phase, or wherein one is added to each phase.
- 16. A method as claimed in any preceding claim, wherein the non-solvent phase is liquid paraffin.
  - 17. A method as claimed in any preceding claim, wherein the emulsification is carried out at a temperature from 10 to 30°C.

- 18. A composition of microparticles obtainable by means of a method as claimed in any preceding claim.
- 19. A method of medical treatment comprising administering to a patient an effective
  5 amount of microparticles as claimed in claim 18.